

Figure 1

300

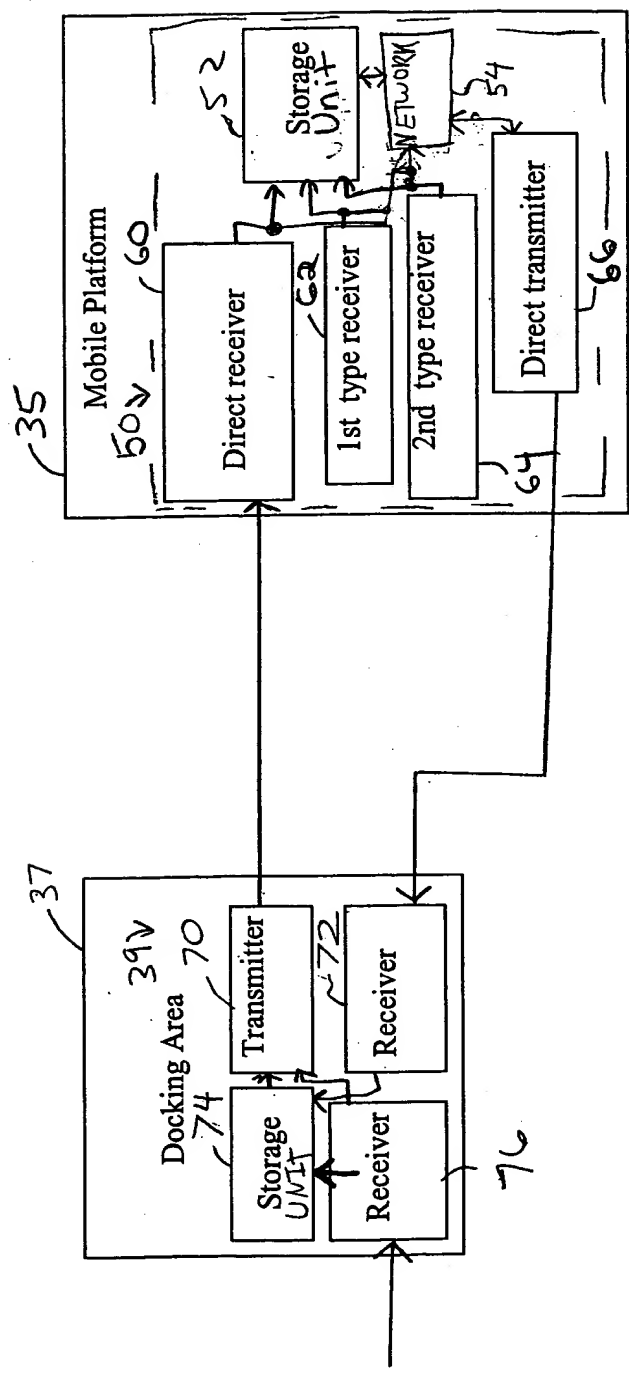


Figure 2

307

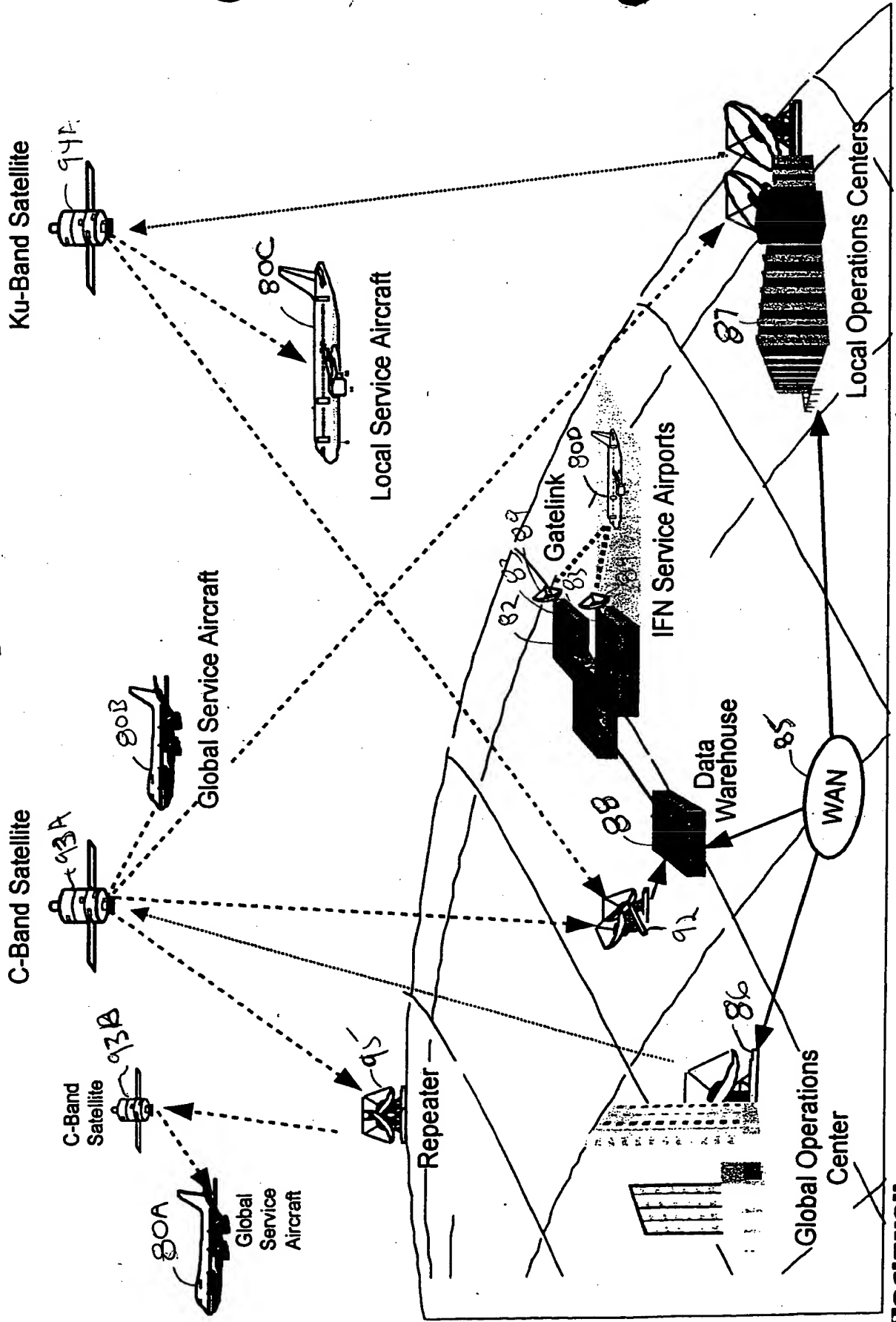
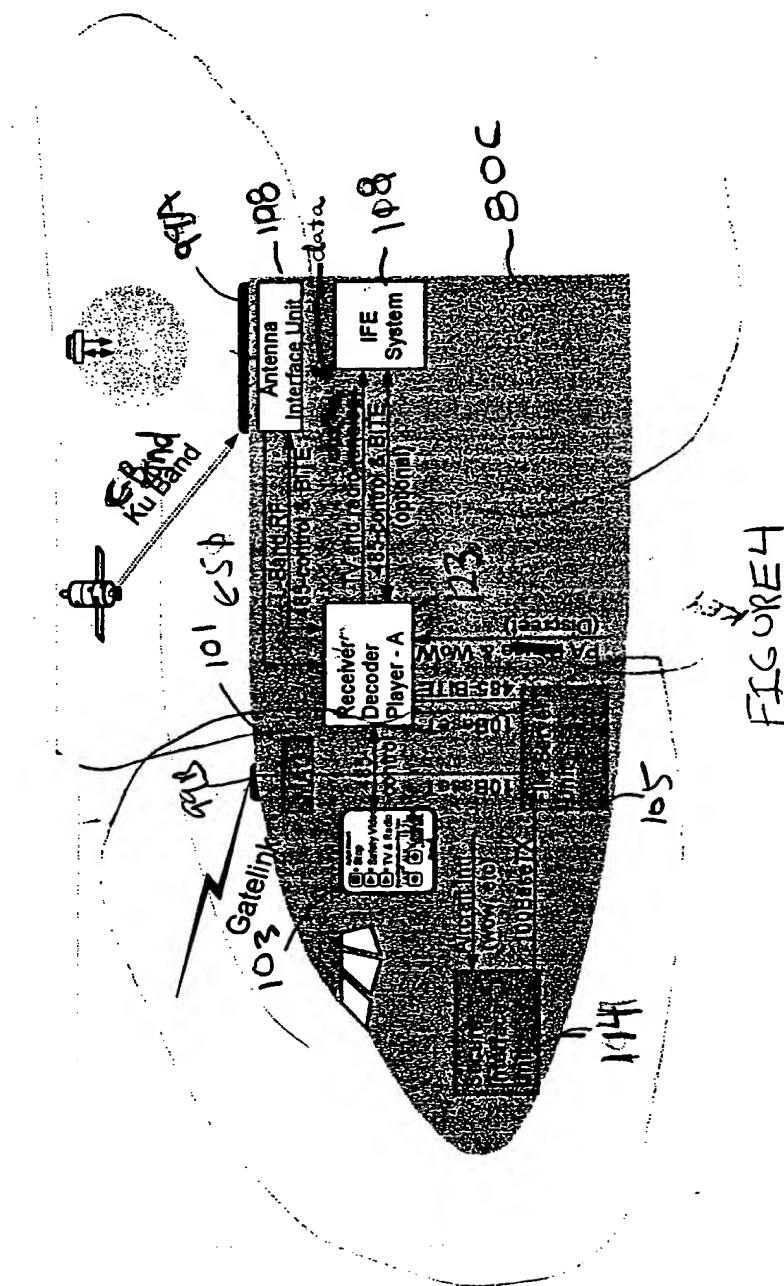


FIGURE 3

[illegible]

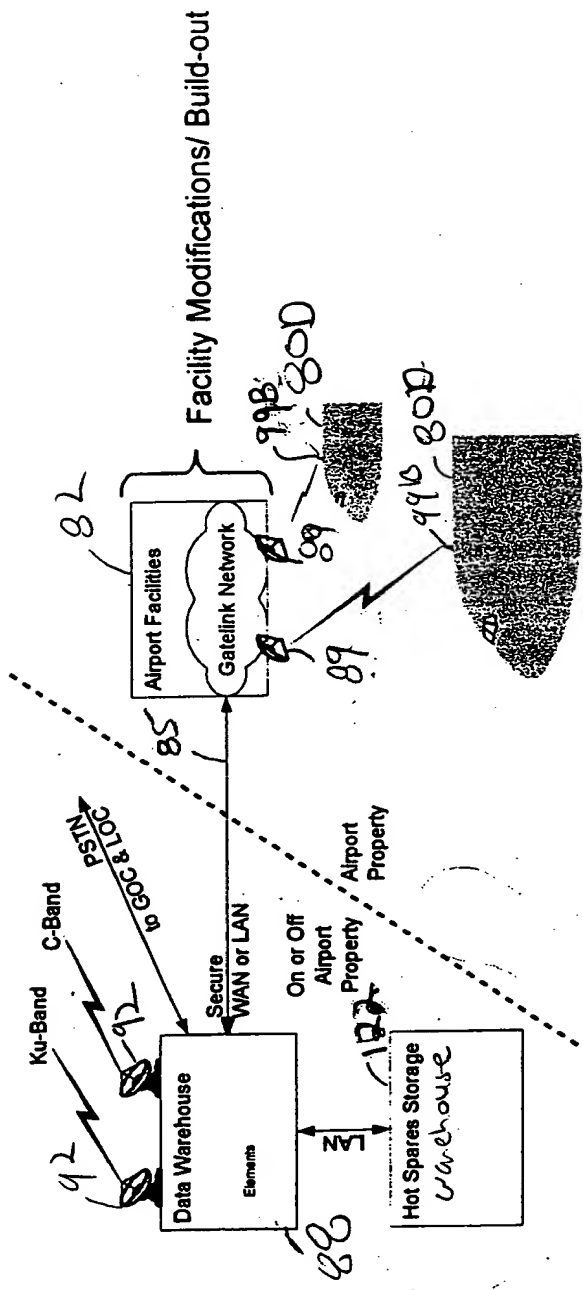


FIGURE 5

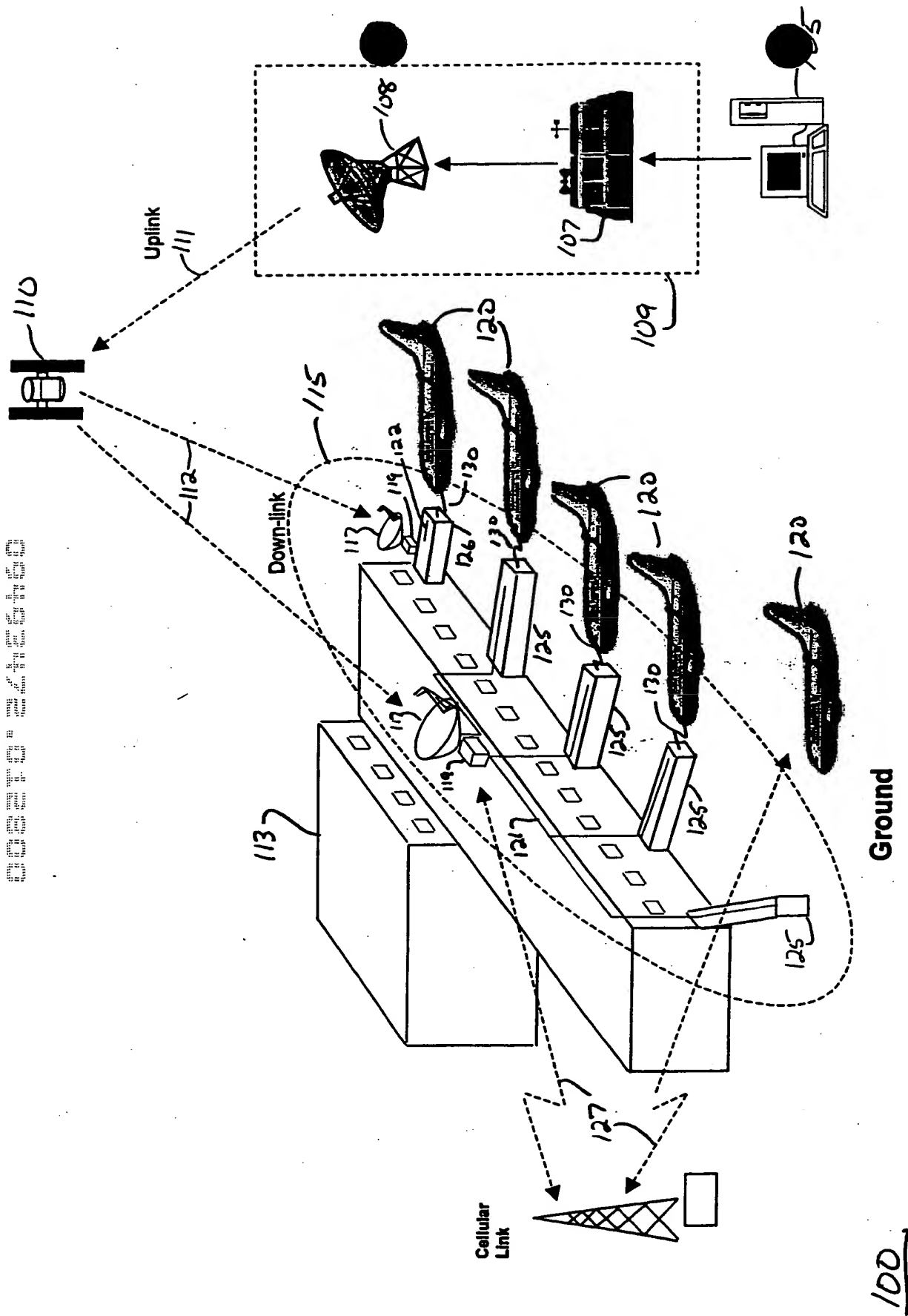


Figure 6

DBS 110

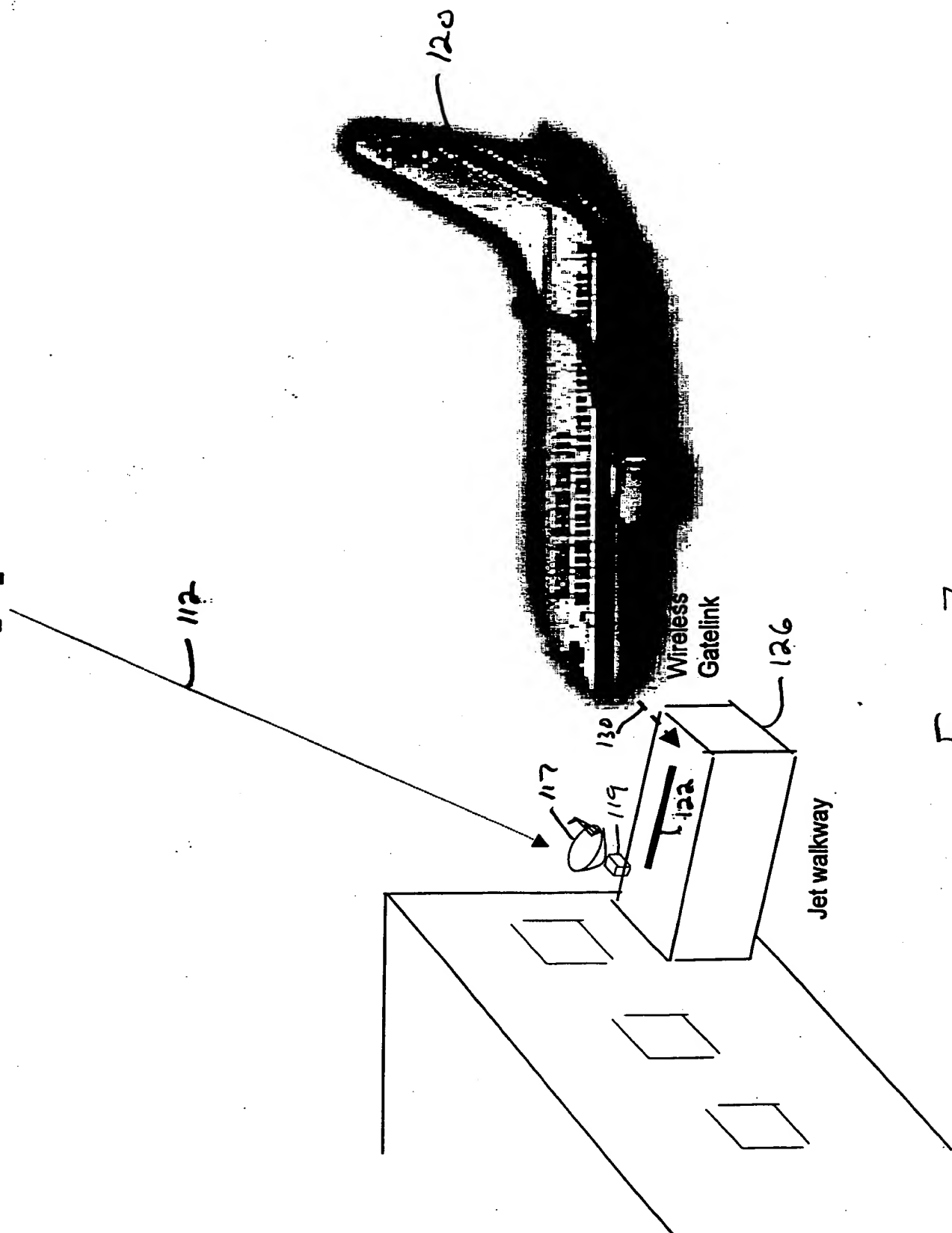


Figure 7

22



Figure 8



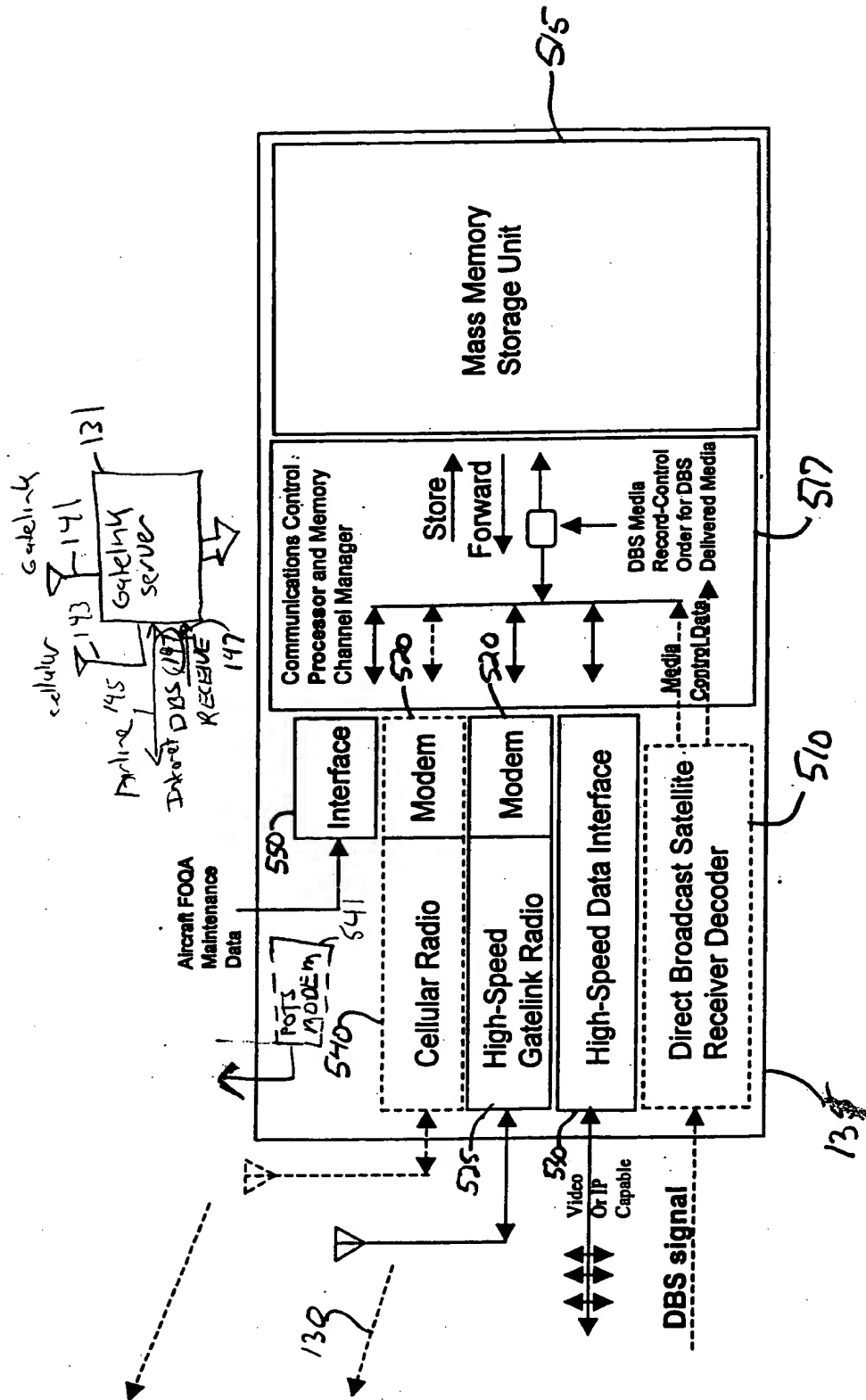


Figure 9

FIG. 10 is a block diagram of a system 615. The system 615 includes a control unit 610 and a plurality of flash memory units 620. The control unit 610 is connected to the flash memory units 620. The system 615 is shown with two input/output arrows at the bottom.

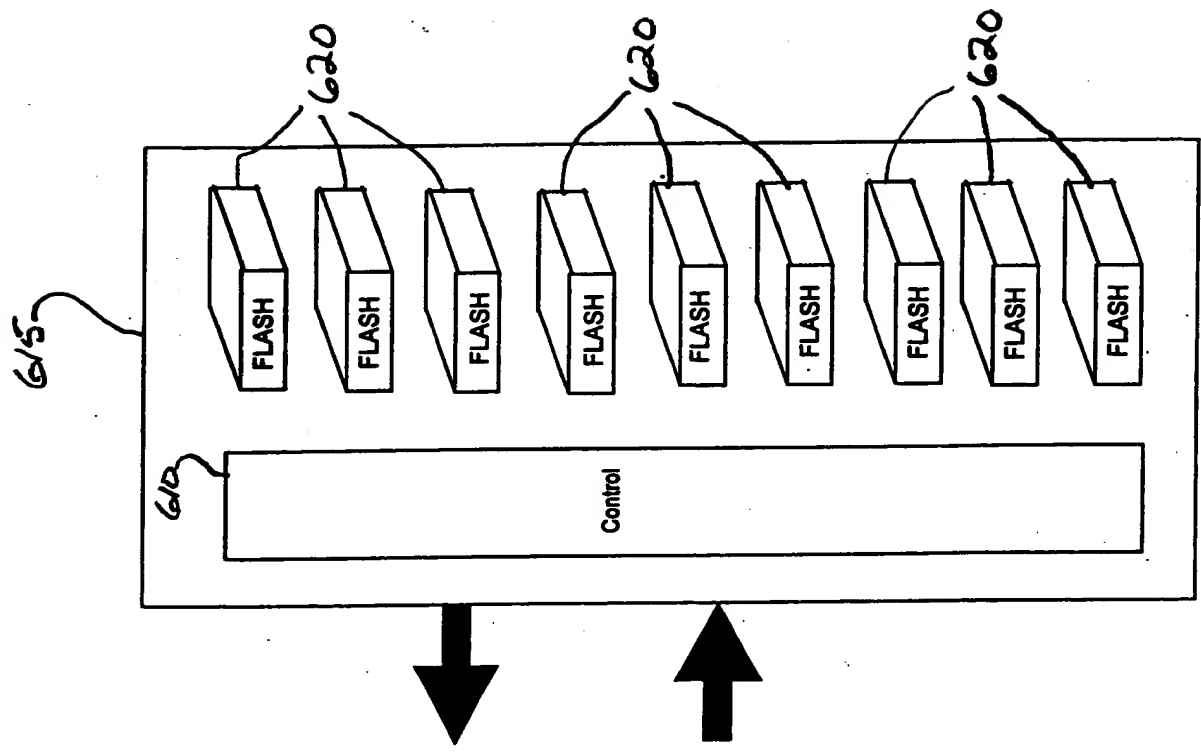
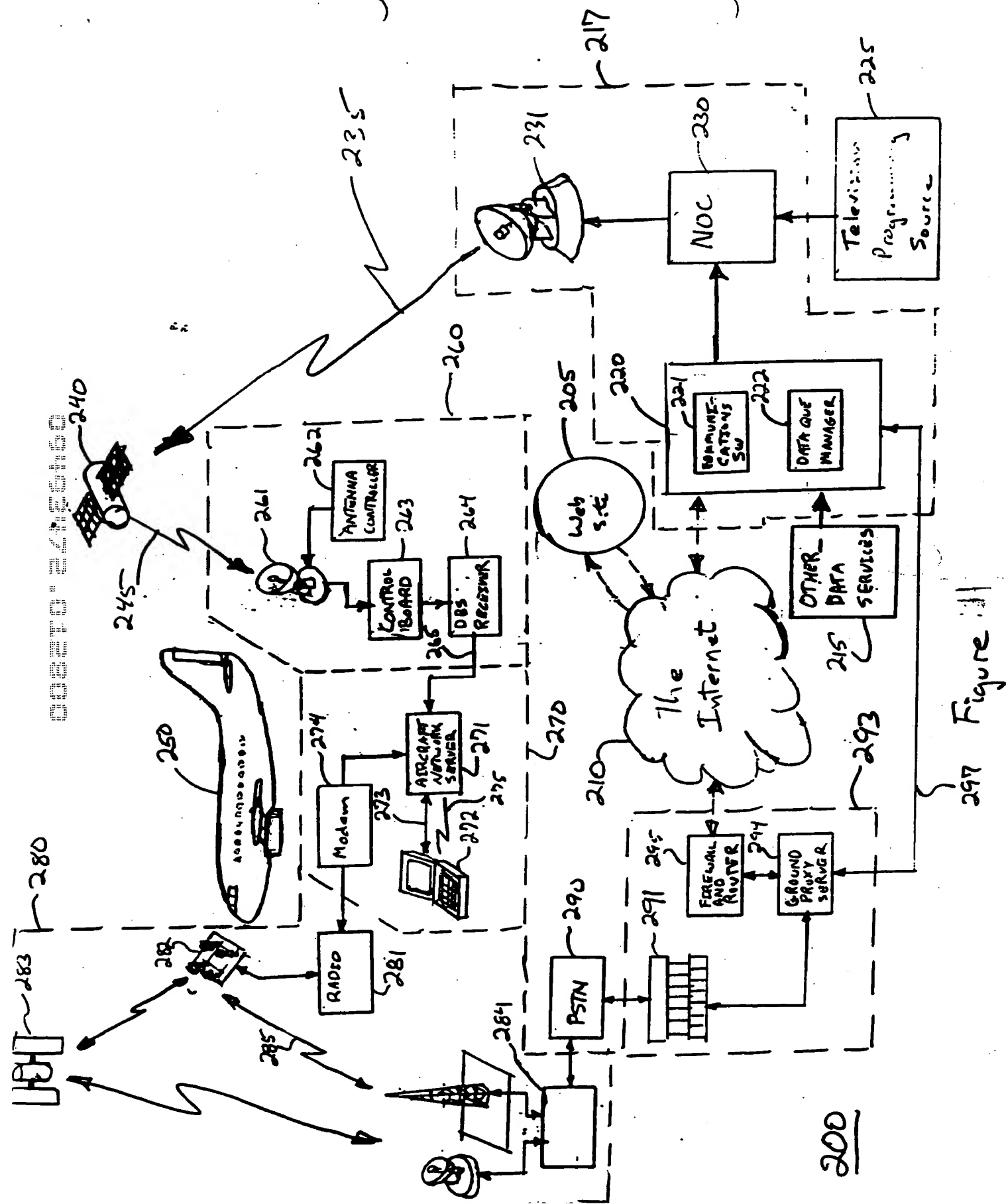


Figure 10



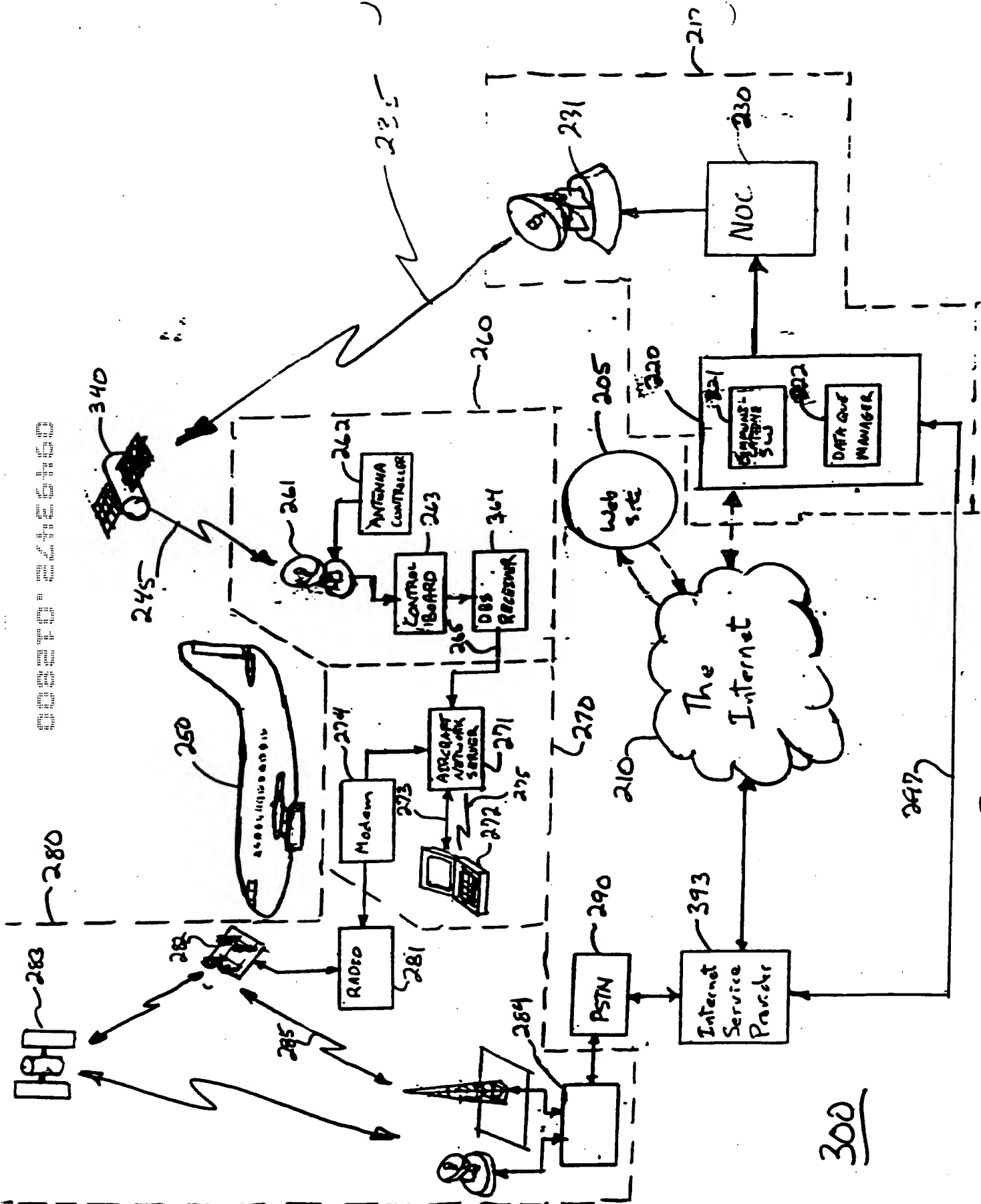


Figure 12

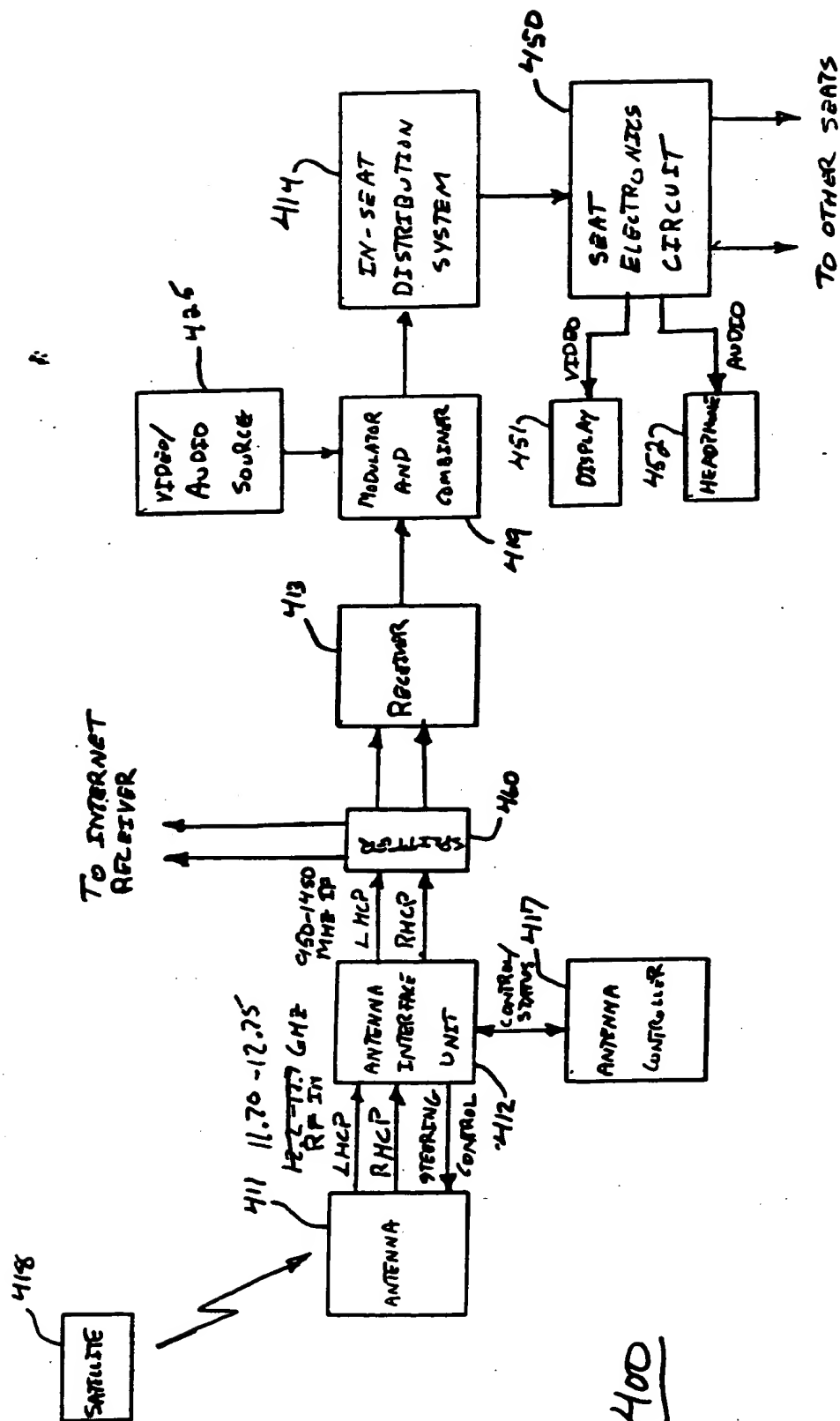


Figure 13

400

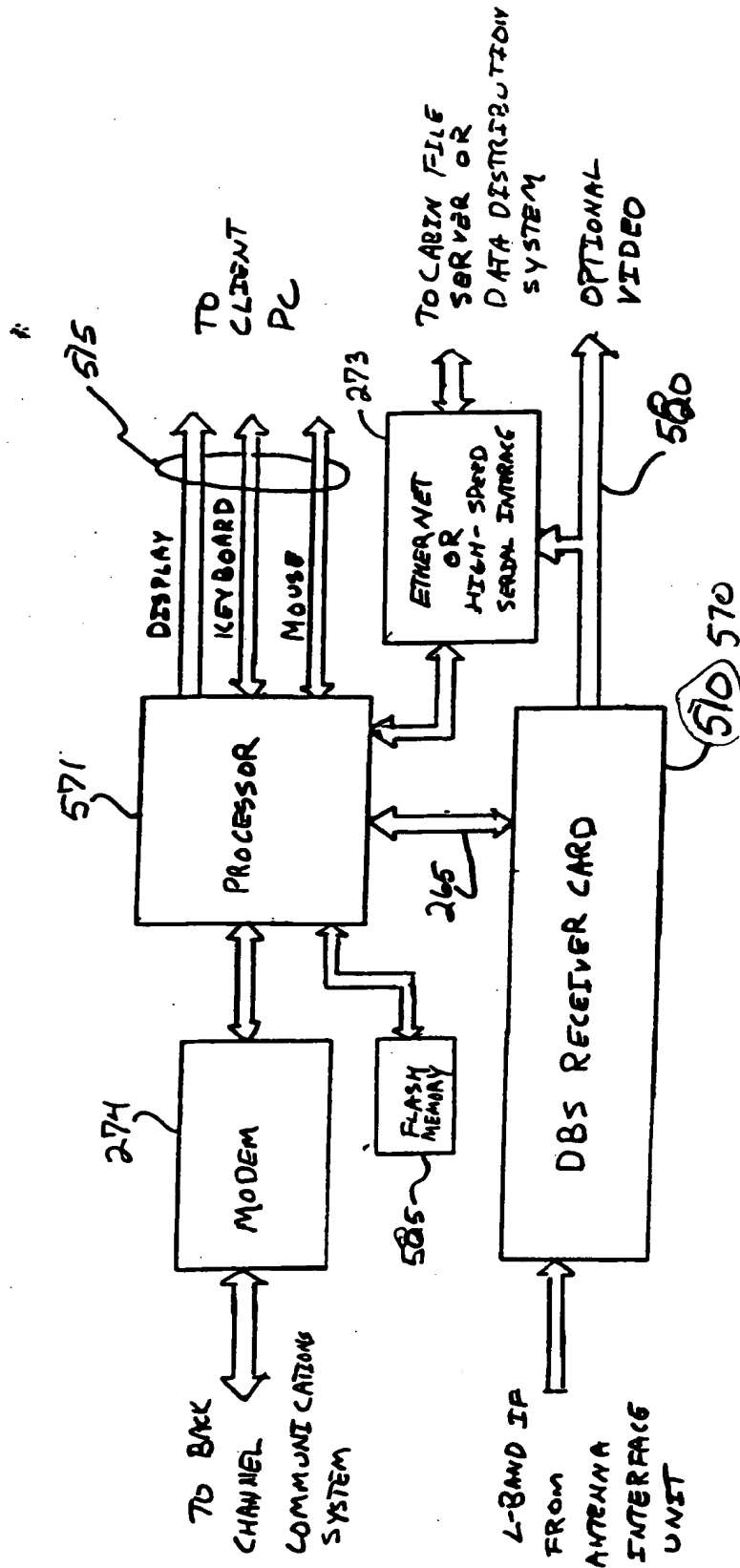
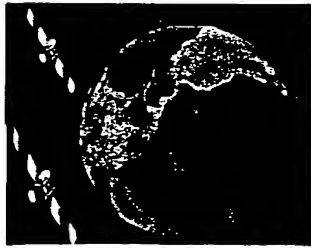


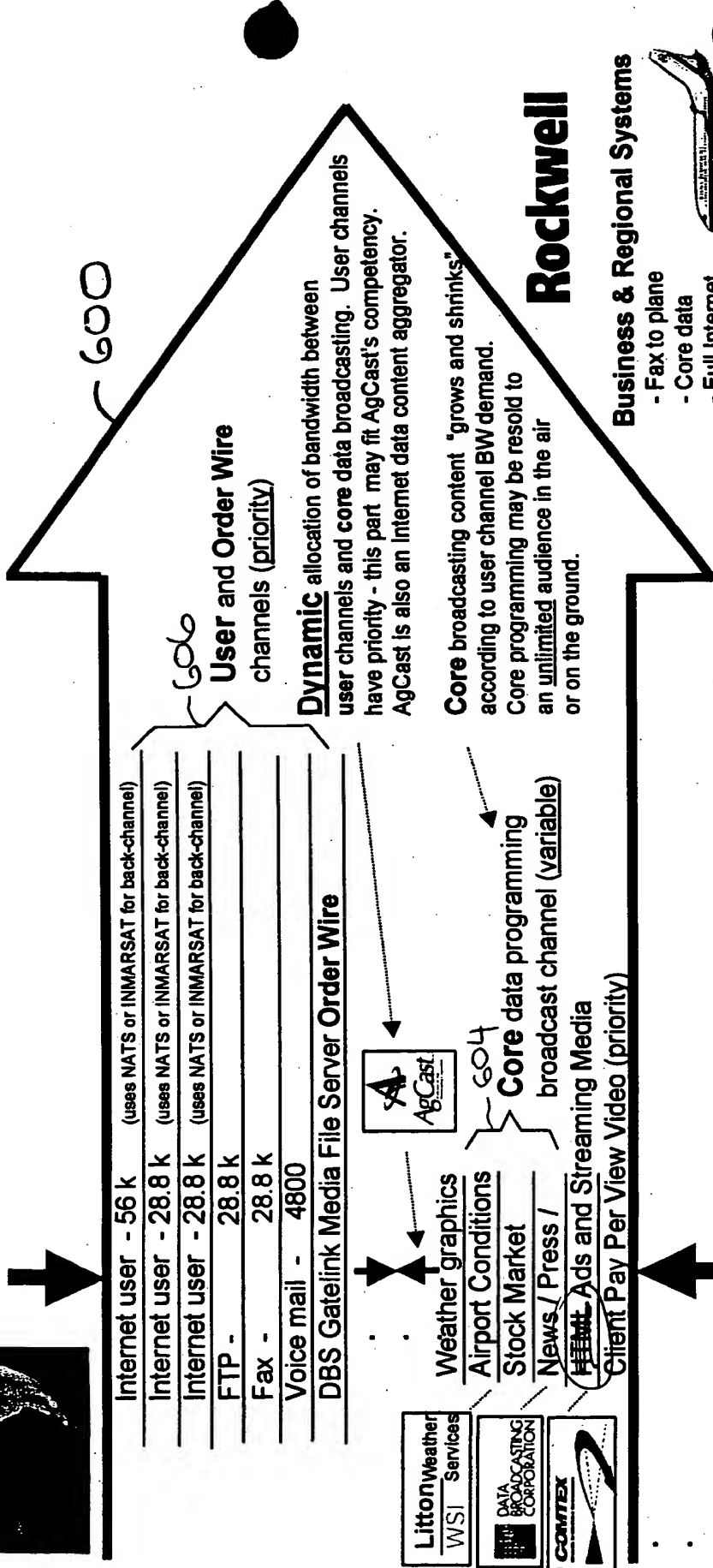
Figure 14

500



# “Aviation / Automotive Express”

High Speed DBS Data Channel for Aviation— Mobile PLATFORMS



**Rockwell**

## Business & Regional Systems

- Fax to plane
- Core data
- Full Internet
- "Off-line" Internet
- E-mail / FTP

## Air Transport Systems

- Fax to plane
- Large file FTP messaging
- Wireless airport terminal area file server loading / complementing I2S
- Core data to I2S server

- Stocks, Weather, News

## Passenger Systems

- IFN IFE systems

**Fixed contracted (less pre-existing core programming) DBS BW from Echostar and /or AgCast (1-Megabit per second as an example)**

Figure 15

This Figure Contains Rockwell Proprietary Information

THIS FIGURE CONTAINS PROPRIETARY INFORMATION

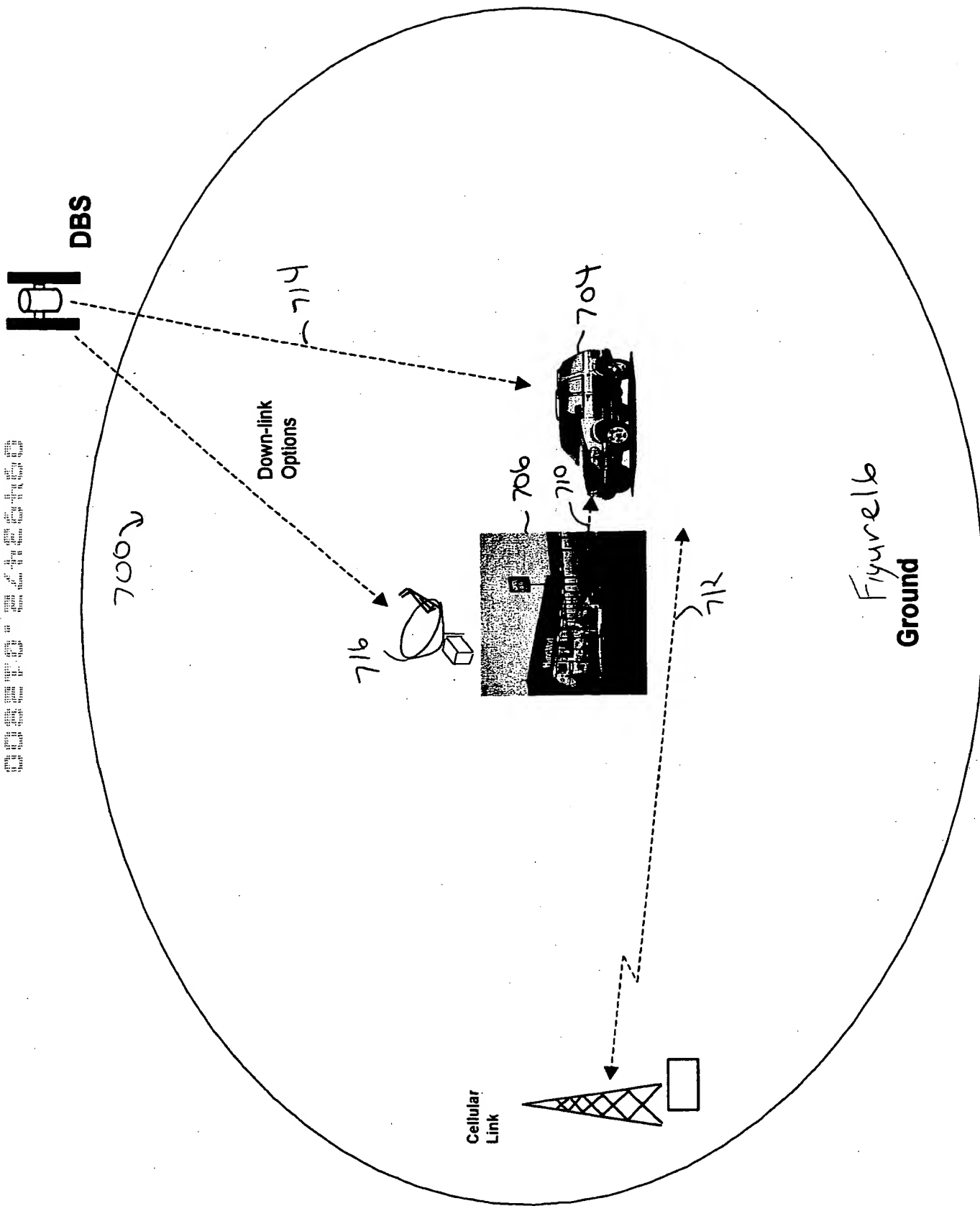


Figure 16  
Ground

This Figure Contains Rockwell Proprietary Information